Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/20/2020 09:24 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125484	0	3.55	125536	3.56
Blue	F	SSC	125000	124730	-1	2.03	125457	2.02
Blue	E	FITC	15892	15629	-2	3.09	342	21.35
Blue	D	PE	29999	29550	-2	2.19	642	15.61
Blue	B	PerCP-Cy5-5	43732	43735	0	4.02	1177	21.81
Blue	A	PE-Cy7	30845	31029	0	6.56	591	44.48
Red	C	APC	46112	45541	-2	2.38	1612	11.98
Red	A	APC-Cy7	30458	29549	-3	2.37	779	11.94
Violet	B	V450	7918	7596	-5	4.31	427	13.00
Violet	A	V500	32171	30927	-4	4.12	721	10.60

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17016	19.97	657	36	N/A	N/A	Pass
Blue	F	SSC	56886	1.45	586	27	N/A	N/A	Pass
Blue	E	FITC	61	67.39	556	13	0.0172	133	Pass
Blue	D	PE	135	52.51	562	14	0.1453	276	Pass
Blue	B	PerCP-Cy5-5	215	52.33	671	15	0.0077	24	Pass
Blue	A	PE-Cy7	107	113.15	717	19	0.0092	20	Pass
Red	C	APC	383	25.17	590	6	0.0251	168	Pass
Red	A	APC-Cy7	171	28.63	561	5	0.0056	900	Pass
Violet	B	V450	65	59.30	462	4	0.0551	2218	Pass
Violet	A	V500	108	33.25	478	4	0.0220	631	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.46	-32.05	1.01
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	15.96	13.60 - 20.40	N/A	N/A	29.49	29.92	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9836

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments